



MATERIAL REPORT

DATE: 3/8/2002

TITLE: Evaluation of LM151-50 to (formerly 11645).

PURPOSE: To obtain general data for LM151-50 (11645)

Recommended temperature limits: -100 °F to 350 °F

Recommended For

Aromatic mineral oils (IRM 903 oil)

Petroleum oils

Low molecular weight automatic hydrocarbons (benzene, toluene)

Jet Fuels

Chlorinated Solvents

Dry heat and low temp

Not Recommended For

Phosphate-esters

Acids

Ketones

Amines (ammonia)

Auto and aircraft brake fluids



REPORT DATA

LM151-50 Test Platen Results

Basic Physical Properties

Hardness	49
Tensile Strength, psi.	943
Elongation, %	320

Heat Aging, 70 H @ 437 °F

Hardness Change, pts	+1
Tensile Change, %	-17
Elongation Change, %	-13

Fluid Immersion, IRM 903 Oil, 70 H @ 302 °F

Hardness Change, pts	-4
Tensile Change, %	-20
Elongation Change, %	-11
Volume Change, %	+6

Fluid Immersion, Fuel C, 70 H @ 73 °F

Hardness Change, pts	-7
Tensile Change, %	-35
Elongation Change, %	-31
Volume Change, %	+20

Compression Set, 22 H @ 347°F

Percent of Original Deflection (plied)	13
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Low Temperature

Nonbrittle after 3 min. @ -67 °F	Passed
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